IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/829,183

Applicant : Yoshinori UCHIDA et al.

Filed : April 22, 2004

TC/A.U. : 2681 Examiner : Unknown

Docket No. : 1137-837 Customer No. : 06449 Confirmation No. : 6040

INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

The material listed on the accompanying forms PTO-1449 and forms PTO-892, from the parent application having U.S. Serial No. 09/355,880, is cited in compliance with the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Applicants respectfully request that the Examiner consider these references with respect to the present application. Copies of these references can be found with the parent application and, accordingly, will not be resubmitted unless requested by the Examiner.

Respectfully submitted,

ROTHWELL, FIGG, ERNST & MANBECK, p.c.

Vincent M. DeLuca

Attorney for Applicants Registration No. 32,408

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				U.S. P	ATENT DOCU	MENTS					
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY			Name		Classification			
	Α	US-6,058,104 05-2000 Snelling et al. 370/277									
	В	US-5,548,806	08-1996	Yamag	uchi et al.				455/33.1		
	С	US-5,396,516	03-1995	Padova	ni et al.				370/84		
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